

ABSTRACT

PLATINUM COATING PROCESS

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A process for depositing pure platinum on a substrate is disclosed. In accordance with one embodiment, the process comprises applying a solution consisting of $\text{Pt}(\text{acetylacetonate})_2$ and ethanol or acetone onto a substrate and wrapping at least a portion of the substrate with aluminum foil. The process further comprises heating

10 the substrate wrapped with the aluminum foil to about 300°C at a rate of about $10\text{--}25^\circ\text{C}$ per minute and then holding at about 300°C for about 1 hour, wherein the $\text{Pt}(\text{acetylacetonate})_2$ decomposes to deposit pure platinum on the substrate.

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